

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Shinichi TAKESHIMA et al.

Attn: PCT Branch

Application No. New U.S. National Stage of PCT/JP2004/015575

Filed: April 17, 2006

Docket No.: 127734

For: EXHAUST GAS PURIFYING CATALYST

**SUBSTITUTE TRANSLATION OF THE ANNEXES TO THE
INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Attached hereto is a substitute translation of the annexes to the International Preliminary Report on Patentability (Form PCT/IPEA/409). The attached translated material replaces the translation of the annexes to the International Preliminary Report on Patentability (Form PCT/IPEA/409) filed on April 17, 2006, which incorrectly identified the application number as New U.S. National Stage of PCT/JP2007/015575.

Respectfully submitted,



James A. Oliff
Registration No. 27,075

Joel S. Armstrong
Registration No. 36,430

JAO:JSA/nxy

Date: April 27, 2006

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320
Telephone: (703) 836-6400

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CLAIMS

1. (Amended) An exhaust gas purifying catalyst carrying an alkali metal and a noble metal on a crystalline zirconium composite oxide, wherein the zirconium composite oxide is the one in which zirconium is partly substituted with at least one kind of element selected from trivalent rare earth metals, and the elongation of the crystal lattice due to the substitution with the element assumes a nearly theoretical value.

2. (Amended) An exhaust gas purifying catalyst according to claim 1, wherein at least one kind of element selected from the trivalent rare earth metals is present in an amount of 5 to 50 mole % based on the whole mole number of all the metal elements in the zirconium composite oxide.

3. An exhaust gas purifying catalyst according to claim 1, wherein zirconium is partly substituted with lanthanum.

4. An exhaust gas purifying catalyst according to claim 1, wherein the alkali metal carried by the zirconium composite oxide is cesium.

5. An exhaust gas purifying catalyst according to claim 1, wherein the noble metal carried by the zirconium composite oxide is platinum.

6. (Added) A method of producing an exhaust gas purifying catalyst carrying an alkali metal and a noble metal on a crystalline zirconium composite oxide, wherein an organic phase in which is dissolved an organic compound that forms a hydroxide of zirconium upon the hydrolysis is brought into contact with an aqueous phase which contains, as ions, a second element selected from trivalent rare earth metals in order to take the second element into a product in a step of forming a hydroxide of zirconium by the hydrolysis of a zirconium organocompound on the interface thereof, the obtained composite hydroxide is fired to obtain a composite oxide of zirconium and the second element, and an alkali metal

and a noble metal are carried thereon.

5 7. (Added) A method of producing an exhaust gas
purifying catalyst according to claim 6, wherein the
organocompound that forms the hydroxide of zirconium upon
the hydrolysis is one selected from zirconium alkoxide
and an acetylacetone zirconium complex.

 8. (Added) A method of producing an exhaust gas
purifying catalyst according to claim 6, wherein the
organocompound that forms the hydroxide of zirconium upon
10 hydrolysis is zirconium butoxide.

 9. (Added) A method of producing an exhaust gas
purifying catalyst according to claim 6, wherein the
second element is lanthanum.